VIDEO TESTING VIA PIXEL COMPARISON TO KNOWN IMAGE

Abstract

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Methods and systems provide automated testing of computer-generated displays. The proper functionality of a memory storage device on a computer video card and the proper functionality of software for generating computer-generated displays may be tested by storing a display image to a first memory device context while displaying the same image on a computer screen viewable by a user. The image displayed to the computer screen is captured into a second memory device context. The image in the first memory device context and the memory in the second device context are compared on a pixel-by-pixel basis to determine whether the two stored images match. If the second stored image does not match the first stored image, an indication is presented that the video memory of the computer memory card does not operate properly or that software responsible for displaying the image to the computer display screen is not operating properly.

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